

To: Tapia, Cecilia[Tapia.Cecilia@epa.gov]
From: Johnson, James
Sent: Wed 5/14/2014 9:52:55 PM
Subject: FW: Air monitoring Station Update 5/12/14

Cecilia, this is what I sent Scott.

From: Hayes, Scott
Sent: Monday, May 12, 2014 10:30 PM
To: Johnson, James
Subject: Re: Air monitoring Station Update 5/12/14

Thanks. Thats a great summary of what has transpired.

What I would like is for START to give a summary every other day or twice a week, with a simple status report:

What is down at each station.

What are the issues. (E.g. Stations not communicating or whatever)

Estimated schedule to resolve issues.

I anticipate there will be a lot of interest when it all goes on line.

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From: Johnson, James
Sent: Monday, May 12, 2014 10:14:19 PM
To: Hayes, Scott

Subject: Air monitoring Station Update 5/12/14

Scott, here is an update of the events at the Westlake Site. Feel free to amend, cut & paste, or make corrections for your update.

I was tasked with developing an air monitoring plan to sample the general public areas in / around Bridgeton, MO and the Westlake Landfill site for constituents (COC's, Radiation). The goal is to have the contracts in place, equipment ordered, set-up, calibrated, tested and running NLT the week of 26 May 2014. The ambient air monitoring system was set up on 4/25 and we (EPA/START) are currently running calibrations, testing the systems for data generation and collection, and trying to fix telemetry issues related to the AreaRaes and VIPER.

EPA has five operational air monitoring locations in / around Westlake Landfill in Bridgeton, MO. Each station has one or more of the following: AreaRae for COC's; Summa canister for VOC's; TLD's; Particulate Monitor; E-Perms; ECAM; and or Gamma Tracer for radiation monitoring.

Data analysis (time frames): TLD's - monthly; particulate air samplers - weekly; E-Perms - weekly; AreaRaes – 8 hr TWA's and EPA will consider this as near real-time data collection; Summa canister – 1 24 hour average –weekly; Gamma Tracer/ECAM- averaged hourly as uR/hr over 24 hrs and EPA will consider this as near real-time data collection.

TestAmerica Laboratory Services was selected by START to process samples for analysis. Turnaround times: Summa Canisters (10 days); Radeco Air Samplers (20 days, need four days for the radon daughter progeny to decay away); E-Perms (weekly); Pocket Ion Chambers (weekly); TLD's (monthly).

Sent AreaRae detection parameters to Mike Davis (ENSV), Mike Beringer (ENSV) and Rob Monnig (START) for their inputs on developing ambient air monitoring detection / investigation levels (green, yellow, red criteria). No time frame given for their response.

START has developed "draft sampling / investigation levels" for radiological parameters. I will submit them by Friday after Chuck and I have had a chance to review them.

Westlake website created and linked to ERT website for VIPER data management.

Amended the Task Order on 5/2/14 to include the purchase of one (1) ECAM from Canberra. Awaiting approval of the TO to give START the go-ahead to purchase.

On a side note: because of the "high interest" at the BMAC, we installed two gamma tracers at the BMAC. These are not necessarily part of the 5 air monitoring stations. They are there to assist in the upcoming RAT of the BMAC later this month.